

Comparisons of Job Characteristics

Focus Occupation: [Farmers and Ranchers \(11-9012\)](#)

Associated Occupation: [First-Line Supervisors of Farming, Fishing, and Forestry Workers \(45-1011\)](#)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

| | |
|----|--|
| << | Focus occupation element is much lower |
| < | Focus occupation element is lower |
| 0 | Focus occupation element is at a similar level |
| > | Focus occupation element is at a higher level |
| >> | Focus occupation element is at a much higher level |

Knowledge

Similarity of Focus Occupation to Associated Occupation: 72

Focus Occupation: Farmers and Ranchers (11-9012)

Associated Occupation: First-Line Supervisors of Farming, Fishing, and Forestry Workers (45-1011)

| Associated Occupation's Key Knowledge Elements | Average Rating, All Occupations | Associated Occupation's Rating | Focus Occupation's Rating | Evaluation of Focus Occupation |
|--|---------------------------------|--------------------------------|---------------------------|---|
| Mechanical | 6.8 | 11.3 | 13.4 | > Current knowledge level is likely sufficient |
| Administration and Management | 8.4 | 11.2 | 11.9 | 0 Current knowledge level may be sufficient |
| Production and Processing | 6.0 | 9.9 | 9.8 | 0 Current knowledge level may be sufficient |
| Personnel and Human Resources | 5.6 | 8.1 | 7.6 | 0 Current knowledge level may be sufficient |
| Biology | 3.7 | 8.0 | 10.0 | > Current knowledge level is likely sufficient |
| Food Production | 2.1 | 6.5 | 13.6 | >> Current knowledge level is likely more than sufficient |

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 41

Focus Occupation: Farmers and Ranchers (11-9012)

Associated Occupation: First-Line Supervisors of Farming, Fishing, and Forestry Workers (45-1011)

| Associated Occupation's Key Skills Elements | Average Rating, All Occupations | Associated Occupation's Rating | Focus Occupation's Rating | Evaluation of Focus Occupation |
|---|---------------------------------|--------------------------------|---------------------------|---|
| Monitoring | 9.9 | 13.1 | 11.4 | < A higher skill level may be required |
| Management of Personnel Resources | 6.9 | 12.3 | 8.4 | << Extensive development of skills in this area may be required |
| Time Management | 8.9 | 12.2 | 8.7 | << Extensive development of skills in this area may be required |
| Coordination | 9.1 | 11.9 | 8.7 | << Extensive development of skills in this area may be required |

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|-----------------------------------|-----|-----|-----|----|--|
| Management of Material Resources | 3.7 | 8.8 | 6.7 | << | Extensive development of skills in this area may be required |
| Management of Financial Resources | 3.3 | 8.5 | 6.7 | < | A higher skill level may be required |

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

| Abilities | | Similarity of Focus Occupation to Associated Occupation: 75 | | | |
|---|---------------------------------|---|---------------------------|--------------------------------|--|
| Focus Occupation: Farmers and Ranchers (11-9012) Associated Occupation: First-Line Supervisors of Farming, Fishing, and Forestry Workers (45-1011) | | | | | |
| Associated Occupation's Key Abilities Elements | Average Rating, All Occupations | Associated Occupation's Rating | Focus Occupation's Rating | Evaluation of Focus Occupation | |
| Far Vision | 7.8 | 10.8 | 10.0 | 0 | Current ability level may be sufficient |
| Depth Perception | 5.3 | 8.6 | 11.2 | >> | Current ability level is likely more than sufficient |
| Time Sharing | 6.6 | 8.5 | 8.5 | 0 | Current ability level may be sufficient |
| Glare Sensitivity | 2.6 | 5.3 | 6.4 | > | Current ability level is likely sufficient |
| Spatial Orientation | 2.7 | 5.3 | 7.7 | >> | Current ability level is likely more than sufficient |

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

| Activities that Both Occupations Have in Common | | Similarity of Focus Occupation to Associated Occupation: 100 |
|---|-------------------------|--|
| Focus Occupation: Farmers and Ranchers (11-9012) Associated Occupation: First-Line Supervisors of Farming, Fishing, and Forestry Workers (45-1011) | | |
| Work Activities | Exclusivity of Activity | |
| Administer medications or treatments | 46 | |
| Analyze operational or management reports or records | 62 | |
| Analyze organizational operating practices or procedures | 70 | |
| Artificially inseminate livestock | 87 | |
| Assign work to staff or employees | 30 | |
| Conduct training for personnel | 30 | |
| Demonstrate or explain assembly or use of equipment | 61 | |
| Develop policies, procedures, methods, or standards | 21 | |
| Direct and coordinate activities of workers or staff | 3 | |
| Direct workers in planting, irrigating, cultivating, harvesting, or marketing | 92 | |
| Drive automobile, van, or light truck | 53 | |
| Drive truck with capacity greater than 3 tons | 72 | |
| Establish employee performance standards | 69 | |
| Estimate materials or labor requirements | 61 | |
| Estimate time needed for project | 64 | |

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|--|----|
| Evaluate performance of employees or contract personnel | 54 |
| Examine animals to detect illness, disease, or injury | 81 |
| Explain work orders, specifications, or work techniques to workers | 82 |
| Follow contract, property, or insurance laws | 70 |
| Follow horticulture irrigation techniques | 87 |
| Hire, discharge, transfer, or promote workers | 47 |
| Identify crop characteristics | 75 |
| Identify fruit or vegetable or crops ready for harvest | 87 |
| Identify livestock characteristics | 81 |
| Inspect crops or fields | 87 |
| Inspect crops to determine quality | 89 |
| Inspect facilities to determine repair or replacement needs | 82 |
| Judge soil conditions | 77 |
| Maintain or repair farm vehicles, machinery, or mechanical implements | 81 |
| Maintain production or work records | 19 |
| Modify work procedures or processes to meet deadlines | 80 |
| Monitor animal care | 99 |
| Monitor forage plant growth | 92 |
| Monitor number or type of fish reared or harvested | 95 |
| Monitor worker performance | 57 |
| Negotiate business contracts | 60 |
| Observe fish or beds or ponds | 95 |
| Observe plants, flowers, shrubs or trees to ascertain condition | 87 |
| Operate agricultural equipment or machinery | 81 |
| Operate tractor with accessories or attachments | 76 |
| Order or purchase supplies, materials, or equipment | 35 |
| Orient new employees | 59 |
| Oversee work progress to verify safety or conformance to standards | 49 |
| Perform safety inspections in agricultural, forestry, or fishing setting | 77 |
| Plan development or production of hybrid plant varieties | 95 |
| Plan harvesting | 99 |
| Plan logging operations | 99 |
| Plan or organize work | 51 |
| Plant, cultivate, or harvest crops, including aquaculture | 80 |
| Prepare or maintain employee records | 69 |
| Prepare reports | 8 |
| Preserve, cure, or cold store meat, poultry or fish | 89 |
| Recognize disease or parasites in animals | 72 |
| Recognize plant diseases | 72 |
| Recognize tree or forest plant species | 78 |
| Resolve agricultural production problems | 84 |
| Resolve logging operation problems | 99 |
| Resolve or assist workers to resolve work problems | 72 |
| Schedule activities, classes, or events | 71 |
| Schedule employee work hours | 60 |
| Study production records | 99 |
| Transport passengers or cargo | 64 |
| Understand second language | 75 |

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|---|----|
| Use animal disease control techniques | 82 |
| Use fish culturing techniques | 89 |
| Use herbicides, fertilizers, pesticides or related products | 71 |
| Use oral or written communication techniques | 1 |
| Use plant disease control techniques | 75 |

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus
Occupation to Associated
Occupation: 94

Focus Occupation: Farmers and Ranchers (11-9012)

Associated Occupation: First-Line Supervisors of Farming, Fishing, and Forestry Workers (45-1011)

| Tools and Technologies | Exclusivity |
|--|-------------|
| Agricultural machinery for harvesting | 35 |
| Agricultural machinery for planting and seeding | 33 |
| Agricultural machinery for soil preparation | 35 |
| Audio and visual equipment | 4 |
| Business function specific software | 1 |
| Computers | 1 |
| Content authoring and editing software | 1 |
| Conveyors and accessories | 18 |
| Data management and query software | 1 |
| Dispensing tools | 6 |
| Dispersing and spraying appliances for agriculture | 26 |
| Earth moving machinery | 11 |
| Finance accounting and enterprise resource planning ERP software | 2 |
| Forming tools | 2 |
| Garden tools | 12 |
| Heavy equipment components | 21 |
| Holding and clamping tools | 3 |
| Industrial drying equipment | 33 |
| Information exchange software | 1 |
| Network applications software | 1 |
| Passenger motor vehicles | 13 |
| Poultry and livestock equipment | 33 |
| Power tools | 2 |
| Product and material trailers | 24 |
| Product and material transport vehicles | 13 |
| Specialized and recreational vehicles | 17 |
| Veterinary equipment | 40 |
| Weight measuring instruments | 7 |

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.